

Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
327112, Vitreous china, fine earthenware, and other pottery product manufacturing . . .	752	759	13 920	396 804	10 987	21 855	265 197	749 362	418 142	1 175 043	140 825
2002 . . .	N	N	17 109	465 045	13 611	25 542	302 061	968 848	487 474	1 460 912	74 524
2001 . . .	N	N	18 696	489 471	15 135	29 050	325 370	1 107 924	524 791	1 621 084	74 671
2000 . . .	N	N	20 479	503 885	16 891	31 864	350 591	1 207 714	503 108	1 710 494	66 494
1999 . . .	N	N	22 103	510 009	17 693	33 522	363 817	1 225 955	506 917	1 721 517	71 336
1998 . . .	N	N	23 253	504 659	18 575	33 644	353 921	1 208 102	540 985	1 715 783	76 465
1997 . . .	1 034	1 048									

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327112, Vitreous china, fine earthenware, and other pottery product manufacturing												
United States	2	759	107	13 920	396 804	10 987	21 855	265 197	749 362	418 142	1 175 043	'40 825
California	4	98	23	1 759	50 103	1 311	2 631	30 924	100 614	45 598	146 853	'4 114
Georgia	7	20	1	120	3 319	86	154	2 129	6 137	2 805	8 661	'206
Illinois	—	19	5	403	11 725	335	689	8 574	19 849	7 059	26 713	'529
Massachusetts	—	20	2	225	5 247	194	401	4 168	7 808	3 183	11 522	'113
New York	2	29	4	1 219	37 184	991	1 893	27 348	60 309	69 231	129 853	'3 337
Ohio	1	40	14	1 404	38 707	1 195	2 317	28 136	59 318	35 725	95 814	'1 864
Pennsylvania	4	41	11	1 720	36 443	1 270	2 605	24 076	47 326	37 508	83 597	'997
Texas	—	38	6	724	16 708	614	1 361	11 690	45 892	32 471	77 731	'1 571
Washington	2	28	3	154	3 851	125	219	2 576	8 816	3 379	12 225	'285

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327112, Vitreous china, fine earthenware, and other pottery product manufacturing	
Companies ¹	number.. 752
All establishments ²	number.. 759
Establishments with 1 to 19 employees	number.. 652
Establishments with 20 to 99 employees	number.. 79
Establishments with 100 employees or more	number.. 28
All employees ³	number.. 13 920
Total compensation	\$1,000.. 502 953
Annual payroll	\$1,000.. 396 804
Total fringe benefits	\$1,000.. 106 149
Production workers, average for year	number.. 10 987
Production workers on March 12	number.. 10 902
Production workers on May 12	number.. 11 031
Production workers on August 12	number.. 11 097
Production workers on November 12	number.. 10 889
Production worker hours	1,000.. 21 855
Production worker wages	\$1,000.. 265 197
Total cost of materials	\$1,000.. 418 142
Materials, parts, containers, packaging, etc., used	\$1,000.. 295 089
Resales	\$1,000.. 69 214
Purchased fuels	\$1,000.. 28 237
Purchased electricity	\$1,000.. 19 293
Contract work	\$1,000.. 6 309
Quantity of electricity purchased for heat and power	1,000 kWh.. 326 083
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 175 043
Primary products value of shipments	\$1,000.. 939 629
Secondary products value of shipments	\$1,000.. 104 709
Total miscellaneous receipts	\$1,000.. 130 705
Value of resales	\$1,000.. 114 577
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 90
Value of primary products shipments made in all industries	\$1,000.. 975 295
Value of primary products shipments made in this industry	\$1,000.. 939 629
Value of primary products shipments made in other industries	\$1,000.. 35 666
Coverage ratio	percent.. 96
Value added	\$1,000.. 749 362
Total inventories, beginning of year	\$1,000.. 221 314
Finished goods inventories	\$1,000.. 105 005
Work-in-process inventories	\$1,000.. 58 363
Materials and supplies inventories	\$1,000.. 57 946
Total inventories, end of year	\$1,000.. 208 891
Finished goods inventories	\$1,000.. 99 162
Work-in-process inventories	\$1,000.. 56 667
Materials and supplies inventories	\$1,000.. 53 062
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '828 548
Total capital expenditures (new and used)	\$1,000.. '40 825
Buildings and other structures (new and used)	\$1,000.. '7 078
Machinery and equipment (new and used)	\$1,000.. '33 747
Automobiles, trucks, etc., for highway use	\$1,000.. '672
Computers and peripheral data processing equipment	\$1,000.. '1 846
All other expenditures for machinery and equipment	\$1,000.. '31 229
Total retirements	\$1,000.. '22 371
Gross value of depreciable assets at end of year	\$1,000.. '847 002
Depreciation charges during year	\$1,000.. '48 004
Total rental payments	\$1,000.. 17 539
Buildings and other structures	\$1,000.. 12 975
Machinery and equipment	\$1,000.. 4 564
Total other expenses ⁴	\$1,000.. 141 829
Response coverage ratio ⁵	percent.. 88
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 12 378
Communications services ⁴	\$1,000.. 2 447
Legal services ⁴	\$1,000.. 1 334
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 1 382
Advertising and promotional services ⁴	\$1,000.. 5 557
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 406
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 195
Management consulting and administrative services ⁴	\$1,000.. 4 263
Taxes and license fees ⁴	\$1,000.. 6 219
All other expenses ⁴	\$1,000.. 104 648

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327112, Vitreous china, fine earthenware, and other pottery product manufacturing											
All establishments	2	759	13 920	396 804	10 987	21 855	265 197	749 362	418 142	1 175 043	⁴ 40 825
Establishments with—											
1 to 4 employees	8	526	796	18 755	650	1 021	12 036	33 284	15 213	48 434	¹ 1 388
5 to 9 employees	4	61	415	9 701	340	590	6 861	21 185	7 609	28 506	¹ 733
10 to 19 employees	3	65	895	20 755	670	1 199	13 087	41 230	16 416	58 418	¹ 1 008
20 to 49 employees	3	56	1 658	41 714	1 320	2 599	28 338	83 511	44 923	128 596	³ 1 172
50 to 99 employees	1	23	1 651	47 111	1 275	2 686	29 764	87 852	50 181	138 099	² 909
100 to 249 employees	3	16	2 285	63 372	1 897	3 988	46 118	111 646	95 620	207 901	⁴ 875
250 to 499 employees	1	8	2 891	92 064	2 347	4 743	64 270	200 611	116 307	318 965	16 391
500 to 999 employees	1	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	2	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	487	698	15 973	581	879	10 075	27 454	12 125	39 370	¹ 1 050

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327112	Vitreous china, fine earthenware, and other pottery product manufacturing .	759	13 920	396 804	10 987	21 855	265 197	749 362	418 142	1 175 043	'40 825
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	28	4 467	127 957	3 679	7 235	93 552	234 365	135 164	370 002	'9 799
3271125	All other pottery products (including china decorated for the trade)	145	7 719	226 206	5 896	12 088	143 092	437 889	248 068	693 515	'28 199

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327112	Vitreous china, fine earthenware, and other pottery product manufacturing	2002.. N 1997.. N	X X	X X	975 295 1 489 643
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	2002.. N 1997.. N	X X	X X	327 599 418 642
32711211	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	2002.. N 1997.. N	X X	X X	327 599 418 642
3271121100	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	2002.. 29 1997.. 42	X X	X X	327 599 418 642
3271125	All other pottery products (including china decorated for the trade)	2002.. N 1997.. N	X X	X X	569 104 N
32711251	All other pottery products (including china decorated for the trade)	2002.. N 1997.. N	X X	X X	564 796 N
3271125111	China and porcelain art, decorative, and novelty potteryware (including vases, lamp bases, figures, plaques, book ends, garden pottery, and ashtrays)	2002.. 25 1997.. N	X X	X X	95 897 N
3271125121	Earthenware and stoneware art, decorative, and novelty potteryware (including vases, lamp bases, figures, plaques, book ends, garden pottery, and ashtrays)	2002.. 53 1997.. N	X X	X X	102 695 N
3271125131	Stoneware table and kitchen articles, household and commercial (for serving, cooking, preparing, and storing food and drink)	2002.. 27 1997.. N	X X	X X	100 531 N
3271125137	Clay statuary and art goods	2002.. 30 1997.. N	X X	X X	104 179 N
3271125141	Chemical, technical, and industrial pottery ware (including chemical stoneware and porcelain, prometric tubes, etc.)	2002.. 10 1997.. N	X X	X X	81 425 N
3271125151	Red unglazed earthenware (flowerpots, etc.)	2002.. 6 1997.. N	X X	X X	18 724 N
3271125161	All other pottery products (including pyrometric cones, veritas rings, etc.)	2002.. 24 1997.. N	X X	X X	61 345 N
3271125Y	All other pottery products (including china decorated for the trade), nsk	2002.. N 1997.. N	X X	X X	4 308 N
3271125YVV	All other pottery products (including china decorated for the trade), nsk	2002.. N 1997.. N	X X	X X	4 308 N
327112W	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	78 592 65 220
327112WY	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	78 592 65 220
327112WYWW	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	44 354 8 931
327112WYWY	Vitreous china, fine earthenware, and other pottery product manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	34 238 56 289

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3271121	Vitreous china, porcelain, and earthenware (semivitreous) table and kitchenware (including household, hotel, or commercial uses) (including bone and feldspar)	
	United States..... 2002..	327 599
	..... 1997..	418 642
	California 2002..	10 842
	..... 1997..	27 032
	Pennsylvania 2002..	16 743
	..... 1997..	N
3271125	All other pottery products (including china decorated for the trade)	
	United States..... 2002..	569 104
	..... 1997..	N
	California 2002..	117 575
	..... 1997..	N
	Georgia 2002..	4 516
	..... 1997..	N
	Massachusetts 2002..	10 140
	..... 1997..	N
	Ohio 2002..	28 404
	..... 1997..	N
	Pennsylvania 2002..	59 892
	..... 1997..	N
	Texas 2002..	51 448
	..... 1997..	N
	Washington 2002..	6 318
	..... 1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327112	Vitreous china, fine earthenware, and other pottery product manufacturing		
00900001	Total materials .....2002..	X	295 089
	.....1997..	X	391 116
21232011	Clay, ceramic, and refractory minerals .....2002..	X	97 534
	.....1997..	X	150 399
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	39 881
	.....1997..	X	38 771
332000AC	Metal stampings .....2002..	X	1 193
	.....1997..	X	2 431
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	101 801
	.....1997..	X	158 745
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	54 680
	.....1997..	X	40 770

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.